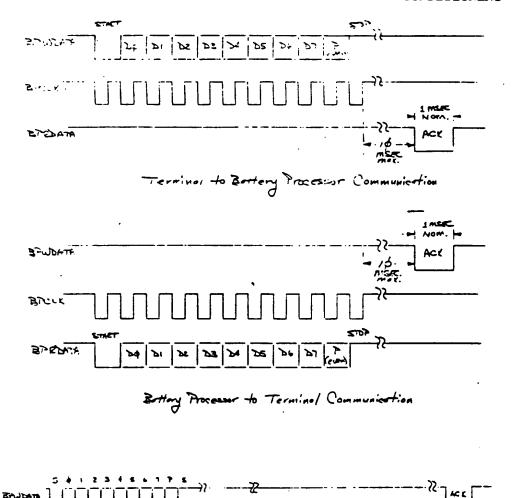
APPENDIX B

STEVEN E. KOEKK
APPLICATION FOR PATENT "BATTERY
CONDITIONING SYSTEM HAVING
CONTUNICATION WITH BATTERY
PAPAMETER METORY MEANS IN
COMMUNICATION WITH BATTERY
CONDITIONING ATTY. DOCKET 5717-Y

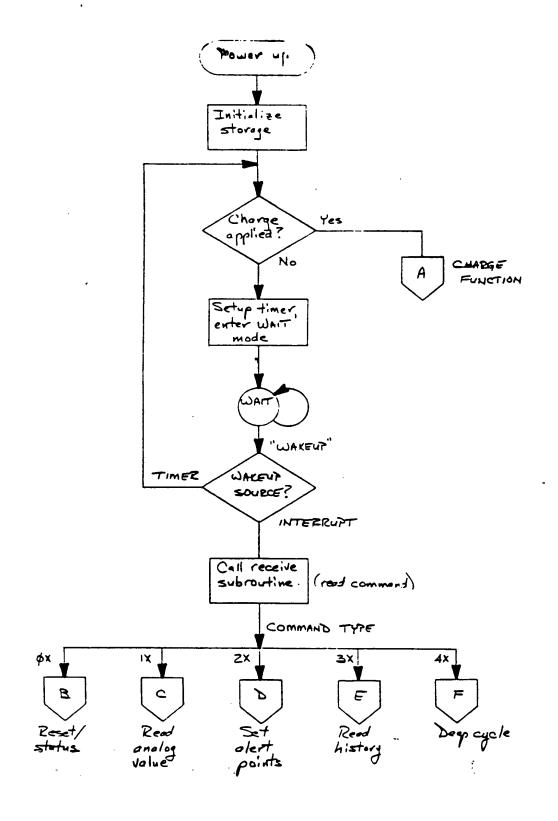


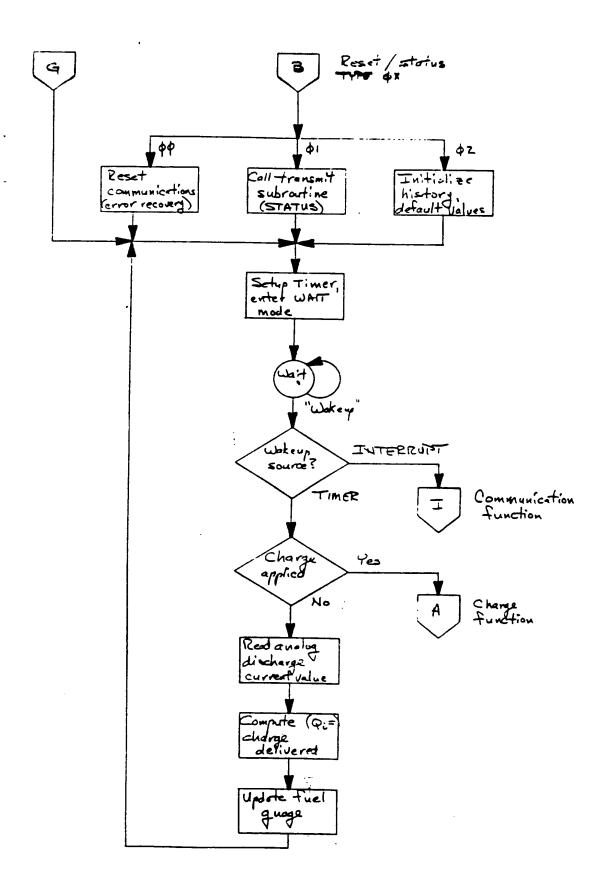
Tronsmit Command

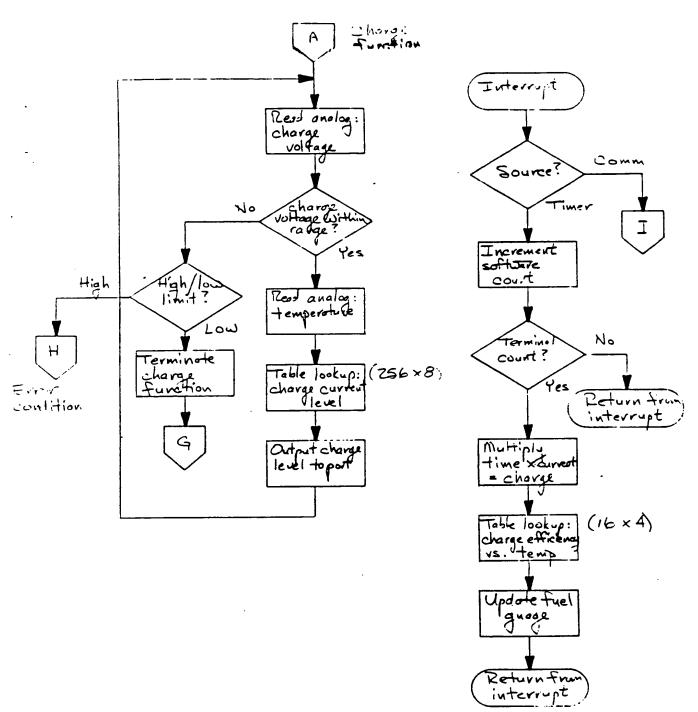
to Briefy Processor

To Terminal Processor

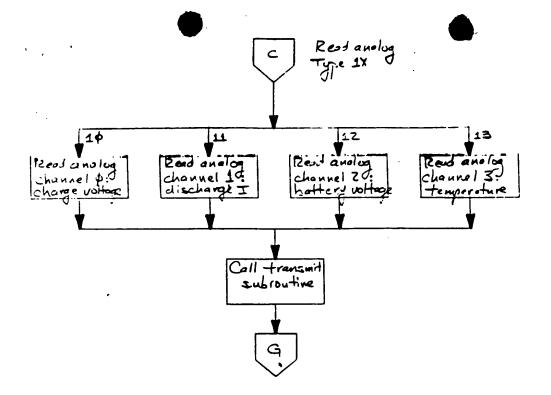
Command / Response Communication Aratocal

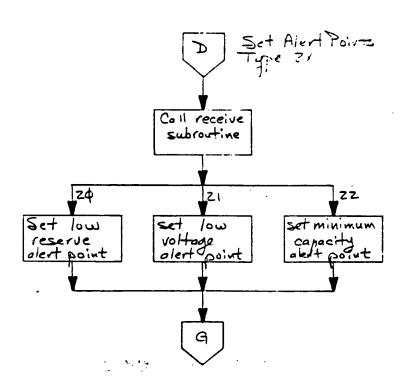


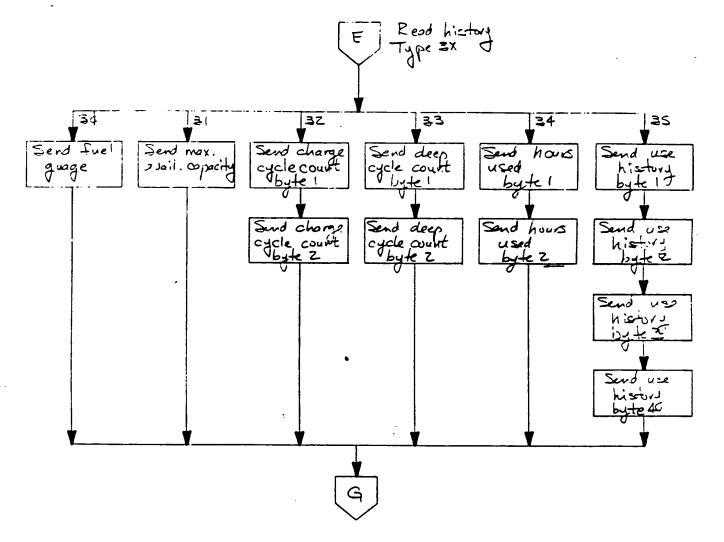


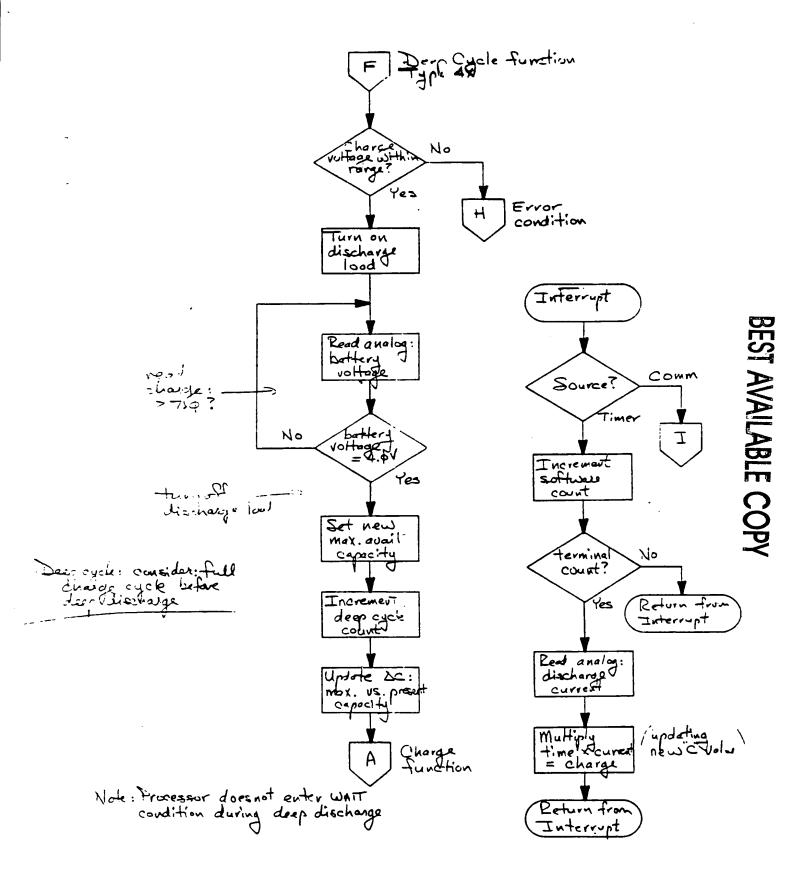


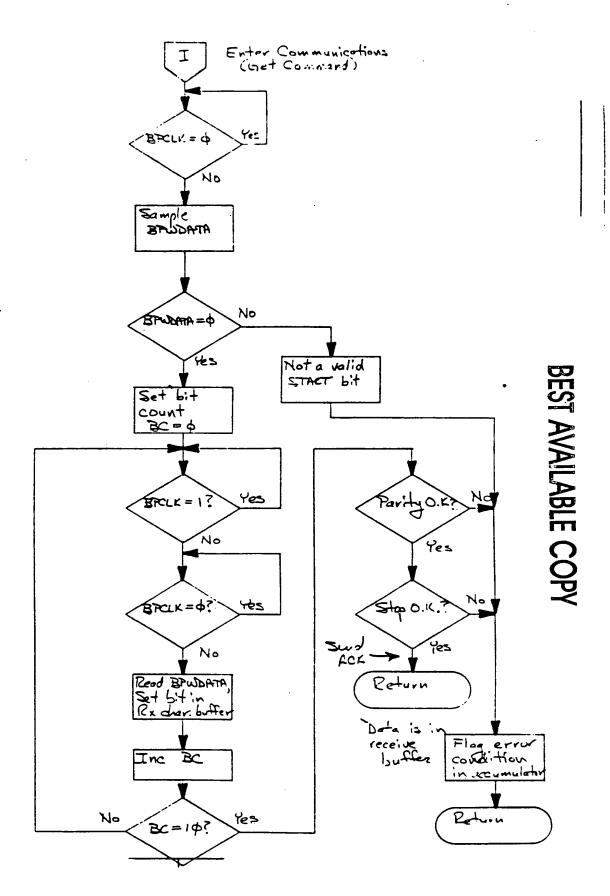
Note: Processor does not enter whit condition during charge.

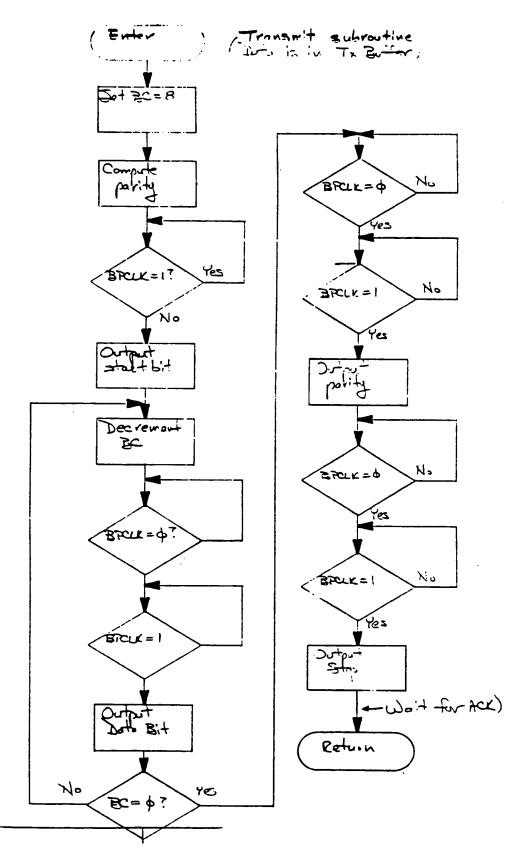












Charo: level lookup table:

Input variables: 1. Temperature

Z. Charge vollage

3. Fuel quage

1. Temperature: table increments of 4°C × 16 steps = 64°C, -14°C +0 +50°C

-temperatures below - 14°C use - 14°C value

temperatures above +50°C use +50°C value

2. Charge voltage: table increments of 1.28 volts x8 steps = 10.24 Volts

7. \$\phi < V_{CHG} < 17.24 V. _____

voltages below 7 volts or above 17.24 volts will cause the charge level to be turned off and an error condition to be transmitted to the terminal processor

3. Fuel guage: 4 steps: 0-25% 25-50% 50-75% 75-100%

THELE OUTPUT: 4 bits, binary weighted charge level = 32 ma/step

O

THELE OUTPUT: 4 bits, binary weighted

O

THELE OUTPUT: 4 bits, binary weighted

TABLE SIZE:

76 × 8 × 2 = 256 Bytes

Temp Chy voltage %C (4 nillles)